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1 [Open architecture multimedia documents](#)

Brian R. Gaines, Mildred L. G. Shaw

September 1993 MULTIMEDIA '93: Proceedings of the first ACM international conference on Multin

Publisher: ACM

Full text available: pdf(265.04 KB) ps(630.64 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index is](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 81, Citation Count: 8

Keywords: digital journals, electronic books, hypermedia, knowledge bases, multimedia inform systems, publication systems

2 [MultiQ: automated detection of multiple bottleneck capacities along a path](#)

Sachin Katti, Dina Katabi, Charles Blake, Eddie Kohler, Jacob Strauss

October 2004 | MC '04: Proceedings of the 4th ACM SIGCOMM conference on Internet measurement

Publisher: ACM

Full text available: pdf(206.88 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 27, Citation Count: 5

multiQ is a passive capacity measurement tool suitable for large-scale studies of Internet path characteristics. It is the first passive tool that discovers the capacity of $\langle i \rangle$ multiple congest links along a path from a single flow trace, ...

Keywords: capacity, measurement, modeling

3 [Performance of coherent MQAM schemes in the presence of frequency-selective Rayleigh fading and CCI4](#)

Zengjun Xiang, Tho Le-Ngoc, Guangguo Bi

March 2000 Mobile Networks and Applications, Volume 5 Issue 1

Publisher: Kluwer Academic Publishers

Full text available: pdf(201.35 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 24, Citation Count: 0

Performance of a coherent MQAM system in the presence of frequency-selective Rayleigh fading channel interference (CCI) and additive white Gaussian noise (AWGN) is presented. Square-root raised-cosine filters are used in both the transmitter and ...

4 Receiver-oriented multiple access in ad hoc networks with directional antennas

Lichun Bao, J. J. Garcia-Luna-Aceves

January 2005 *Wireless Networks*, Volume 11 Issue 1-2

Publisher: Kluwer Academic Publishers

Full text available:  pdf(701.37 KB)

Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 53, Citation Count: 0

Directional antennas can adaptively select radio signals of interest in specific directions, while filter out unwanted interference from other directions. A couple of medium access protocols based on random access schemes have been proposed for networks ...

Keywords: ad hoc networks, channel access scheduling, directional antenna, multi-beam adaptive array (MBAA)

5 Havana: supporting application and channel dependent QoS in wireless packet networks

Javier Gomez, Andrew T. Campbell

January 2003 *Wireless Networks*, Volume 9 Issue 1

Publisher: Kluwer Academic Publishers

Full text available:  pdf(325.55 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 28, Citation Count: 2

For wireless channels, interference mitigation techniques are typically applied at the packet transmission level. In this paper, we present the Havana framework which supports *integrated adaptive-QoS* in wireless packet networks by responding to ...

Keywords: QoS, adaptive wireless networks

6 Transmission scheduling in ad hoc networks with directional antennas

Lichun Bao, J.J. Garcia-Luna-Aceves

September 2002 *MobiCom '02: Proceedings of the 8th annual international conference on Mobile computing and networking*

Publisher: ACM

Full text available:  pdf(347.44 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 92, Citation Count: 23

Directional antennas can adaptively select radio signals of interest in specific directions, while filter out unwanted interference from other directions. Although a couple of medium access protocols on random access schemes have been proposed ...

Keywords: ad hoc networks, channel access scheduling, directional antenna, multi-beam adaptive array (MBAA)

7 An empirical study of static call graph extractors

Gail C. Murphy, David Notkin, William G. Griswold, Erica S. Lan

April 1998 *ACM Transactions on Software Engineering and Methodology (TOSEM)*, Volume 7

Publisher: ACM

Full text available:  pdf(1.73 MB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 83, Citation Count: 9

Informally, a call graph represents calls between entities in a given program. The call graphs th...

compilers compute to determine the applicability of an optimization must typically be conservative. A call may be omitted only if it can never occur in ...

Keywords: call graphs, design space, empirical study, software system analysis, static analysis

8 Integrating video into an application framework

Peter Schnorf

September 1993 MULTI MEDIA '93: Proceedings of the first ACM international conference on Multimedia
Publisher: ACM

Full text available:  pdf(176.78 KB)  ps(8.27 MB) Additional Information: full citation, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 42, Citation Count: 2


Keywords: application framework, data type, motion video, object-oriented

9 Measuring parallel processor performance

Alan H. Karp, Horace P. Flatt

May 1990 Communications of the ACM, Volume 33 Issue 5

Publisher: ACM

Full text available:  pdf(486.62 KB) Additional Information: full citation, abstract, references, cited by, index term review

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 88, Citation Count: 24

Many metrics are used for measuring the performance of a parallel algorithm running on a parallel processor. This article introduces a new metric that has some advantages over the others. Its use is illustrated with data from the Linpack benchmark report ...

Keywords: parallel performance

10 Java object-sharing in Habanero

Annie Chabert, Ed Grossman, Larry S. Jackson, Stephen R. Pietrowiz, Chris Seguin

June 1998 Communications of the ACM, Volume 41 Issue 6

Publisher: ACM

Full text available:  pdf(777.95 KB) Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 29, Citation Count: 26

11 Making sense of sensing systems: five questions for designers and researchers

Victoria Bellotti, Maribeth Back, W. Keith Edwards, Rebecca E. Grinter, Austin Henderson, Cristina L. April 2002 CHI '02: Proceedings of the SIGCHI conference on Human factors in computing systems

Changing our world, changing ourselves

Publisher: ACM

Full text available:  pdf(435.34 KB) Additional Information: full citation, abstract, references, cited by, index term

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 199, Citation Count: 33

This paper borrows ideas from social science to inform the design of novel "sensing" user interfaces for computing technology. Specifically, we present five design challenges inspired by analysis of human-human communication that are mundanely addressed ...

Keywords: design framework, human-machine communication, sensing input, social science,

ubiquitous computing

12 Large scale content distribution protocols



Christoph Neumann, Vincent Roca, Rod Walsh

October 2005 ACM SIGCOMM Computer Communication Review, Volume 35 Issue 5

Publisher: ACM

Full text available: pdf(207.06 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 111, Citation Count: 0

This paper introduces large scale content distribution protocols, which are capable of scaling to massive numbers of users and providing low delay end-to-end delivery. Delivery of files and sta objects is described, with real-time content streaming ...

13 Techniques and tools for analyzing intrusion alerts



Peng Ning, Yun Cui, Douglas S. Reeves, Dingbang Xu

May 2004 ACM Transactions on Information and System Security (TISSEC), Volume 7 Issue 2

Publisher: ACM

Full text available: pdf(1.65 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 54, Downloads (12 Months): 392, Citation Count: 2

Traditional intrusion detection systems (IDSs) focus on low-level attacks or anomalies, and raise independently, though there may be logical connections between them. In situations where ther intensive attacks, not only will actual alerts ...

Keywords: Intrusion detection, alert correlation, security management

14 A study on channel allocation for data dissemination in mobile computing environments



Wang-Chien Lee, Qinglong Hu, Dik Lun Lee

May 1999 Mobile Networks and Applications, Volume 4 Issue 2

Publisher: ACM

Full text available: pdf(205.92 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 28, Citation Count: 15

This paper studies channel allocation methods for data dissemination through broadcast and on-demand channels. Analytical models and cost formulae for exclusive broadcast channels and ext on-demand channels are provided. Based on the models, we ...

15 A speculation-based approach for performance and dependability analysis: a case study

Yiqing Huang, Zbigniew Kalbarczyk, Ravishankar K. Iyer

December 1998 WSC '98: Proceedings of the 30th conference on Winter simulation

Publisher: IEEE Computer Society Press

Full text available: pdf(86.40 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 8, Citation Count: 0

16 Best-path vs. multi-path overlay routing

David G. Andersen, Alex C. Snoeren, Hari Balakrishnan



October 2003 | MC '03: Proceedings of the 3rd ACM SIGCOMM conference on Internet measurement
Publisher: ACM

Full text available: pdf(142.64 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index term](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 106, Citation Count: 9

Time-varying congestion on Internet paths and failures due to software, hardware, and configur errors often disrupt packet delivery on the Internet. Many approaches to avoiding these problems multiple paths between two network locations. These ...

Keywords: measurement, multi-path routing, networking, overlay networks

17 [Traffic simulation based on the high level architecture](#)

Ulrich Kelin, Thomas Schulze, Steffen Straßburger

December 1998 WSC '98: Proceedings of the 30th conference on Winter simulation

Publisher: IEEE Computer Society Press

Full text available: pdf(487.63 KB)

Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 61, Citation Count: 3

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